

Title (en)

A scrubber apparatus for cleaning a thin disk work.

Title (de)

Schrubborrichtung zum Reinigen dünner Scheiben.

Title (fr)

Appareil de brossage pour nettoyer un disque mince.

Publication

**EP 0549377 A2 19930630 (EN)**

Application

**EP 92311839 A 19921229**

Priority

JP 35806091 A 19911227

Abstract (en)

A scrubber cleaner for cleaning the unsucked face and peripheral chamfers of a semiconductor wafer at a time, made up of: a wafer holder capable of holding the wafer by vacuum suction and turning the wafer circumferentially, and including a wafer suction head for fixing the wafer on it and a motor to rotate the suction head; and a brush assembly including: a rotatory plate having a brushing surface on one side consisting of a flat ring portion and a side-of-cylinder portion, and being capable of shifting axially and in radial directions; a motor for rotating the rotatory plate circumferentially; an air cylinder for shifting the rotatory plate axially; and another air cylinder for shifting the rotatory plate in radial directions, wherein the side-of-cylinder portion of the brushing surface axially extends from the inner boundary of the ring portion, and furthermore, the rotatory plate is disposed such that the flat ring portion of the brushing surface of the brush means is opposed to and in parallel to the unsucked face of the wafer which is held on the suction head. <IMAGE>

IPC 1-7

**H01L 21/304**

IPC 8 full level

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CPC (source: EP US)

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Cited by

CN106667371A; CN114011772A; CN111540669A; GB2319888A; US5956791A; EP0845305A3

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